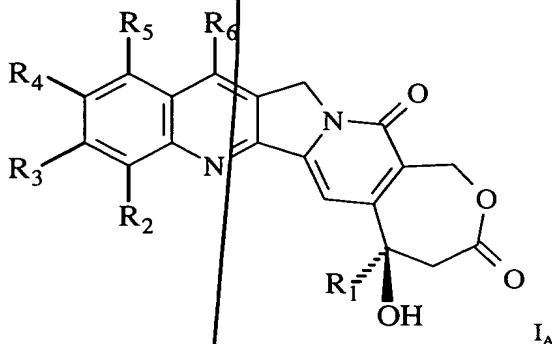


# CLAIMS

1. Compounds of general formula (I) characterized in that they correspond **either** to formula I<sub>A</sub>



5 in which

R<sub>1</sub> represents a lower alkyl radical ;

R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> represent, independently, H, halo or -OSO<sub>2</sub>R<sub>10</sub> ;

10 R<sub>6</sub> represents H, a linear or branched alkyl radical containing 1 to 12 carbon atoms optionally substituted by one or more halo radicals identical or different, lower hydroxy alkyl, lower alkoxy lower alkyl, a cycloalkyl, lower cycloalkyl alkyl, nitro, halo, -(CH<sub>2</sub>)<sub>m</sub>SiR<sub>7</sub>R<sub>8</sub>R<sub>9</sub> radical, or an aryl substituted or non substituted or lower aryl alkyl radical substituted or non substituted on the aryl group, the substituents of the aryl groups being identical or different and selected from : lower alkyl, hydroxy, halo, amino, lower alkyl amino, di(lower alkyl)amino, CF<sub>3</sub> or OCF<sub>3</sub> ;

15 R<sub>7</sub>, R<sub>8</sub> and R<sub>9</sub> represent, independently, a lower alkyl radical ;

R<sub>10</sub> represents a lower alkyl radical optionally substituted by one or more halo radicals identical or different, or an aryl optionally substituted by one or more lower alkyl radicals identical or different ;

20 m is an integer comprised between 0 and 6 ;

it being understood that when R<sub>2</sub> represents H

25 . R<sub>6</sub> represents a linear or branched alkyl radical containing 7 à 12 carbon atoms, -(CH<sub>2</sub>)<sub>m</sub>SiR<sub>7</sub>R<sub>8</sub>R<sub>9</sub>, or an aryle group substituted by one or more substituents identical or different and selected from di(lower alkyl)amino and OCF<sub>3</sub> , and/or

. at least one of the radicals R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> represents -OSO<sub>2</sub>R<sub>10</sub> ;

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or one of the following formulae :

(5*R*)-5-ethyl-11-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-benzyl-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-butyl-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-5,12-diethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-5-hydroxy-12-phenyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

15 (5*R*)-12-cyclohexyl-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-5-hydroxy-12-(4-methylphenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-10-chloro-5-ethyl-12-(2-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-  
oxepino[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-phenyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-phenyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-12-butyl-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-benzyl-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

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(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5,12-diethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-butyl-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-5,12-diethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-butyl-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

15 (5*R*)-5,12-diethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-5-hydroxy-12-isopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-5-ethyl-12-(4-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(2,6-difluorophenyl)-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(3,5-difluorophenyl)-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-5-ethyl-5-hydroxy-12-(3,4,5-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-  
oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-5-hydroxy-12-(2,4,6-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-  
oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

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(5*R*)-5-ethyl-5-hydroxy-12-(2,3,5,6-tetrafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-5-hydroxy-12-(2,3,4,5,6-pentafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-5-ethyl-9-fluoro-12-(4-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(2,6-difluorophenyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-12-(3,5-difluorophenyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*] quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(3,4,5-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(2,4,6-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

15 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(2,3,5,6-tetrafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(2,3,4,5,6-pentafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-5-ethyl-9,10-difluoro-12-(4-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(2,6-difluorophenyl)-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(3,5-difluorophenyl)-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(3,4,5-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(2,4,6-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

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(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(2,3,5,6-tetrafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(2,3,4,5,6-pentafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-5-ethyl-9,11-difluoro-12-(4-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(2,6-difluorophenyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-12-(3,5-difluorophenyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-(3,4,5-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-(2,4,6-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

15 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-(2,3,5,6-tetrafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-(2,3,4,5,6-pentafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(3,3,3-trifluoropropyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-isopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-pentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-phenethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

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(5*R*)-12-(2-cyclohexylethyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(3,3-dimethylbutyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(3,3,3-trifluoropropyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-isopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-pentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-phenethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

15 (5*R*)-12-(2-cyclohexylethyl)-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(3,3-dimethylbutyl)-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-(3,3,3-trifluoropropyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-isopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-pentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-phenethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

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(5*R*)-12-(2-cyclohexylethyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

(5*R*)-12-(3,3-dimethylbutyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

5 (5*R*)-12-chloro-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-5-hydroxy-12-hydroxymethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoline-3,15-dione ;

10 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-isobutyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-neopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-12-(3-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

15 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(4-trifluoromethylphenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-12-[4-(*tert*-butyl)phenyl]-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoline-3,15-dione ;

20 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoline-3,15-dione ;

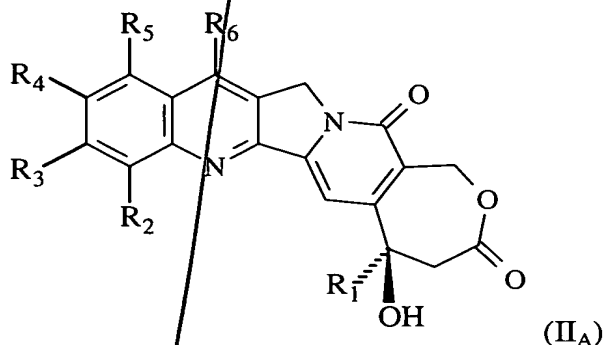
(5*R*)-12-(2-ethoxyethyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-9,10,11-trifluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

25 or the salts thereof.

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2. Compounds of general formula (II<sub>A</sub>)



in which

R<sub>1</sub> represents a lower alkyl radical ;

5 R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> represent, independently, H, a halogen atom or -OSO<sub>2</sub>R<sub>10</sub> ;

R<sub>6</sub> represents H, a linear or branched alkyl radical containing 1 to 12 carbon atoms optionally substituted by one or more halo radicals identical or different, lower hydroxy alkyl, lower alkoxy lower alkyl, a cycloalkyl, lower cycloalkyl alkyl, nitro, halo, -(CH<sub>2</sub>)<sub>m</sub>SiR<sub>7</sub>R<sub>8</sub>R<sub>9</sub> radical, or an aryl substituted or non substituted or lower aryl alkyl radical substituted or non substituted on the aryl group, the substituents of the aryl groups being identical or different and selected from : a lower alkyl, a hydroxy group, halo, amino, lower alkyl amino, di(lower alkyl)amino, CF<sub>3</sub> or OCF<sub>3</sub> ;

10 R<sub>7</sub>, R<sub>8</sub> and R<sub>9</sub> represent, independently, a lower alkyl radical ;

R<sub>10</sub> represents a lower alkyl radical optionally substituted by one or more halo radicals identical or different, or an aryl optionally substituted by one or more lower alkyl radicals identical or different ;

20 m is an integer comprised between 0 and 6 ;

and characterized in that

. at least one of the radicals R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> or R<sub>5</sub> represents -OSO<sub>2</sub>R<sub>10</sub>, and/or

. R<sub>6</sub> represents a linear or branched alkyl radical containing 7 à 12 carbon atoms, -(CH<sub>2</sub>)<sub>m</sub>SiR<sub>7</sub>R<sub>8</sub>R<sub>9</sub>, or an aryle group substituted by one or more substituents identical or different and selected from di(lower alkyl)amino and OCF<sub>3</sub> , and/or

. R<sub>2</sub> represents halo,

or the salts thereof.

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3. Compounds according to claim 2 or 2 in which R<sub>1</sub> represents an ethyl radical.

4. Compounds of formula II<sub>A</sub> according to claim 2 or 3 and corresponding to the following formulae :

5 (5*R*)-5-ethyl-8-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(2-trimethylsilylethyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-5-hydroxy-12-(2-trimethylsilylethyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-12-decyl-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-decyl-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

15 (5*R*)-12-decyl-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(4-trifluoromethoxyphenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(4-dimethylaminophenyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-3,15-dioxo-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinolein-10-yl trifluorometanesulfonate.

5. Compounds of formula II<sub>A</sub> according to claim 4 and corresponding to the following formulae :

25 (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(2-trimethylsilylethyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-5-hydroxy-12-(2-trimethylsilylethyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione.

6. Compounds of formula I according to claim 1 and corresponding to the following formulae :

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- (5*R*)-5-ethyl-11-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;
- (5*R*)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;
- 5 (5*R*)-12-benzyl-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;
- (5*R*)-12-butyl-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;
- (5*R*)-5,12-diethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;
- 10 (5*R*)-5-ethyl-5-hydroxy-12-phenyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;
- (5*R*)-12-cyclohexyl-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;
- 15 (5*R*)-5-ethyl-5-hydroxy-12-(4-methylphenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;
- (5*R*)-10-chloro-5-ethyl-12-(2-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;
- (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-phenyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;
- 20 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-phenyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;
- (5*R*)-12-butyl-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;
- 25 (5*R*)-12-benzyl-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;
- (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5,12-diethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-12-butyl-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5,12-diethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-5-ethyl-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-butyl-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5,12-diethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino [1,2-*b*]quinoleine-3,15-dione ;

15 (5*R*)-5-ethyl-5-hydroxy-12-isopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-12-(4-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-  
oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-12-(3,5-difluorophenyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-  
oxepino [3',4':6,7]indolizino [1,2-*b*] quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-phenethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-chloro-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]  
indolizino[1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-5-ethyl-5-hydroxy-12-hydroxymethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-isobutyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
[3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

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(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-neopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-12-(3-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(4-trifluoromethylphenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-[4-(*tert*-butyl)phenyl]-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(2-ethoxyethyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10,11-trifluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

15 7. Compounds of formula I according to claim 6 and corresponding to the following formulae :

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-5,12-diethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5,12-diethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino [1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-5-ethyl-9-fluoro-12-(4-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(3,5-difluorophenyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*] quinoleine-3,15-dione ;

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(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-phenethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-chloro-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-5-ethyl-9-fluoro-12-(3-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(4-trifluoromethylphenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(2-ethoxyethyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

or the salts thereof.

15 **8.** Compounds of formula I according to claim 1 and corresponding to the following formulae :

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-phenyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-phenyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-butyl-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-12-benzyl-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5,12-diethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(2-trimethylsilylethyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-12-butyl-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5,12-diethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-12-butyl-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5,12-diethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-12-(4-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

15 (5*R*)-12-(2,6-difluorophenyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*] quinoleine-3,15-dione ;

(5*R*)-12-(3,5-difluorophenyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*] quinoleine-3,15-dione ;

20 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(3,4,5-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(2,4,6-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(2,3,5,6-tetrafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(2,3,4,5,6-pentafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-12-(4-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

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(5*R*)-12-(2,6-difluorophenyl)-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(3,5-difluorophenyl)-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(3,4,5-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(2,4,6-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(2,3,5,6-tetrafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(2,3,4,5,6-pentafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-12-(4-fluorophenyl)- 5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

15 (5*R*)-12-(2,6-difluorophenyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(3,5-difluorophenyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-(3,4,5-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-(2,4,6-trifluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-(2,3,5,6-tetrafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-(2,3,4,5,6-pentafluorophenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione.

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

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- (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(3,3,3-trifluoropropyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-isopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

5 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-pentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-phenethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

(5*R*)-12-decyl-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino  
10 [3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

(5*R*)-12-(2-cyclohexylethyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-12-(3,3-dimethylbutyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

15 (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-(3,3,3-trifluoropropyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-isopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

20 (5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-pentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-9,10-difluoro-5-hydroxy-12-phenethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

25 (5*R*)-12-decyl-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;

(5*R*)-12-(2-cyclohexylethyl)-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoline-3,15-dione ;



(5*R*)-12-(3,3-dimethylbutyl)-5-ethyl-9,10-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

5 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-(3,3,3-trifluoropropyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-isopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

10 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-pentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-phenethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-decyl-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

15 (5*R*)-12-(2-cyclohexylethyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-12-(3,3-dimethylbutyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino [1,2-*b*]quinoleine-3,15-dione ;

20 (5*R*)-12-chloro-5-ethyl-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-5-hydroxy-12-hydroxymethyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-isobutyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

25 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-neopentyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7] indolizino[1,2-*b*]quinoleine-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-12-(3-fluorophenyl)-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino [3',4':6,7]indolizino[1,2-*b*]quinoleine-3,15-dione ;

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(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(4-trifluoromethylphenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-9-fluoro-5-hydroxy-12-(4-trifluoromethoxyphenyl)-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

5 (5*R*)-12-(4-dimethylaminophenyl)-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-12-[4-(*tert*-butyl)phenyl]-5-ethyl-9-fluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

10 (5*R*)-5-ethyl-9,11-difluoro-5-hydroxy-12-propyl-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

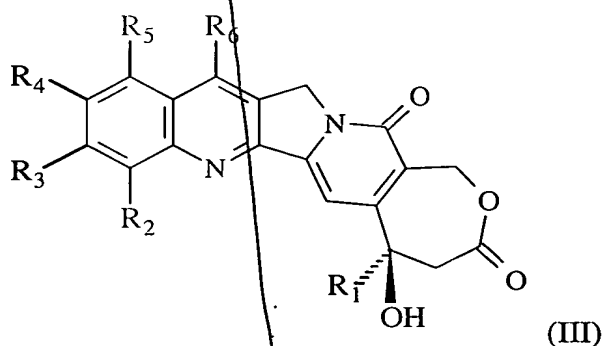
(5*R*)-12-(2-ethoxyethyl)-5-ethyl-9,11-difluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

(5*R*)-5-ethyl-9,10,11-trifluoro-5-hydroxy-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoline-3,15-dione ;

15 (5*R*)-5-ethyl-9-fluoro-5-hydroxy-3,15-dioxo-4,5,13,15-tetrahydro-1*H*,3*H*-oxepino[3',4':6,7]indolizino[1,2-*b*]quinoline-10-yl trifluorometanesulfonate ;

or the salts of the latter.

### 9. Process for the preparation of compounds of formula (III)



20 in which

$R_1$  represents a lower alkyl radical ;

$R_2, R_3, R_4$  and  $R_5$  represent, independently, H, a halogen atom or  $-OSO_2R_{10}$  ;

$R_6$  represents a linear or branched alkyl radical containing 1 to 12 carbon atoms optionally substituted by one or more halo

5

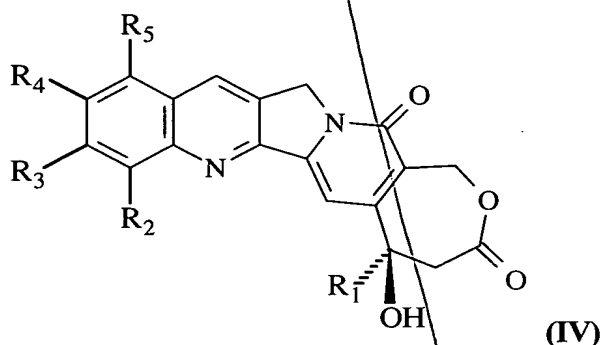
represent, independently, a lower alkyl radical ;

represents a lower alkyl radical optionally substituted by one or more halo radicals identical or different, or an aryl optionally substituted by one or more lower alkyl radicals identical or different ;

10

is an integer comprised between 0 and 6 ;

said process characterized in that a compound of formula



15 in which R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> have the meaning indicated above, is treated in a strongly acid medium in the presence of an iron (III) salt and a precursor of the free radical R<sub>6</sub><sup>•</sup>, by a solution containing hydroxide or alkoxide radicals.

**10.** As medicament, a compound of formula (I) or (II<sub>A</sub>) according to claims 1 to 8 or a therapeutic salt thereof.

20 11. As medicament, a compound of formula (III) according to claim 9, or a therapeutical salt thereof.

**12. Pharmaceutical compositions** containing at least one of the compounds as defined in claims 1 to 8 as an active ingredient.

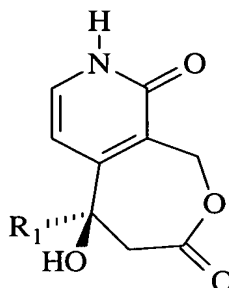
13. Use of the compounds according to claims 1 to 8 for the preparation of medicaments  
intended to inhibit topoisomerases, and more particularly the topoisomerases of type I  
or of type II.

14. Use of the compounds according to claims 1 to 8 for the preparation of medicaments to treat tumors.

15. Use of the compounds according to claims 1 to 8 for the preparation of medicaments intended to treat viral infections or diseases.

5 16. Use of the compounds according to claims 1 to 8 for the preparation of medicaments intended to treat parasitic infections.

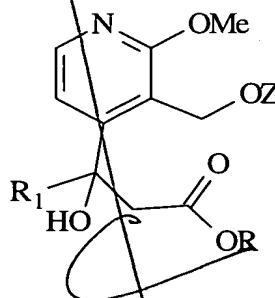
17. As a new industrial product, a compound of general formula M



wherein R<sub>1</sub> represents a lower alkyl radical.

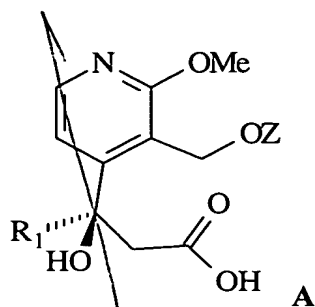
10 18. Process for the preparation of a compound of formula M according to claim 17, said process including the following successive stages :

- a racemic ester represented below



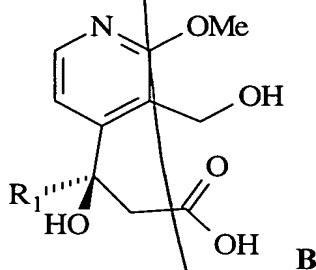
15 in which R<sub>1</sub> has the meaning indicated in claim 17, R is a lower alkyl and Z a protective group of the alcohol function is converted to the corresponding carboxylic acid ;

- this compound is then subjected to an operation which separates the enantiomers, known to the person skilled in the art under the name of resolution and which allows an enantiomerically enriched compound of general formula



to be obtained, in which  $R_1$  and Z have the meaning indicated above ;

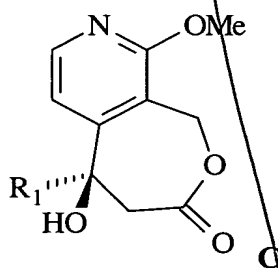
- the alcohol function of the compound of general formula A is then deprotected to produce the product of general formula



5

in which  $R_1$  has the meaning indicated above,

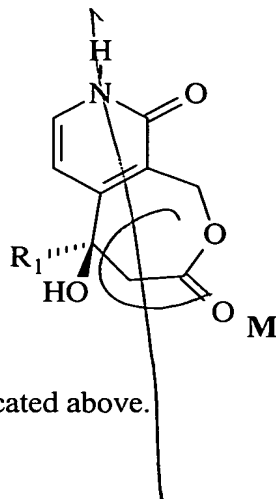
- the compound of general formula B is cyclized in order to obtain the compound of general formula



10 in which  $R_1$  has the meaning indicated above,

- finally, the methoxy group of the compound of general formula C is converted to carbonyl in order to obtain a compound of general formula

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in which  $R_1$  has the meaning indicated above.

add B1  
add B6

add  
C3

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